LED Patterns Block Diagram

led_patterns.vhd

push_button_pulse

clk → async_conditioner.vhd
rst →

push_button →

led_pattern
fsm.vhd

clk
rst

Pattern
Generation
(Not its own
entity?)

led_pattern

Switches → 4 →

clk → led_pattern
rst → _generator.vhd

led_pattern_in

6

? curr_state

8

led_reg

8

hps_led_control

base_period

8 0
1 → led
led